

In the Claims:

1. (CURRENTLY AMENDED) A communications system comprising:

a plurality of connection engines distributed among a plurality of subnets and configured to access a server on an IP network;

a mobile office platform ~~server~~ device comprising a database for storing problem magnitudes relating to failed attempts at accessing servers using the connection engines and problem magnitudes and a preset rate of decay; and

said mobile office platform ~~server~~ device further comprising an intelligent routing engine operative with the database for querying the database and delaying any further attempts at accessing the server when the problem magnitude as a preset rate of decay exceeds a predetermined threshold, wherein a problem magnitude is assigned for an error based on failures unrelated to a network failure.

2. (ORIGINAL) A communications system according to Claim 1, wherein said intelligent routing engine is operative for delaying any reattempts at accessing a server until a problem magnitude returns to below a predetermined threshold.

3. (ORIGINAL) A communications system according to Claim 2, wherein any delay in reattempting access to the server is a function of a preset rate of decay of a problem magnitude.

4. (ORIGINAL) A communications system according to Claim 1, wherein said database includes data relating to a current

problem magnitude for a failed access to a server that is added to a current exponentially decayed entry in the database.

5. (ORIGINAL) A communications system according to Claim 1, wherein said database includes data relating to a problem magnitude versus time for any server and connection engine pair.

6. (CURRENTLY AMENDED) A communications system according to Claim 1, wherein a problem magnitude is assigned for an error based on ~~network~~ failures.

7. (CANCELLED)

8. (PREVIOUSLY PRESENTED) A communications system according to Claim 1, wherein any failures unrelated to a network failure include an incorrect password and/or poorly formed request.

9. (ORIGINAL) A communications system according to Claim 1, wherein said intelligent routing engine comprises a proxy server.

10. (ORIGINAL) A communications system according to Claim 1, wherein said intelligent routing engine is operative for accessing a server using a POP, IMAP or httpmail protocol.

11. (CURRENTLY AMENDED) A communications system comprising:

a plurality of connection engines that can be used by a client for accessing a server of a server on an Internet Protocol

(IP) network, wherein said connection engines are distributed among a plurality of subnets ~~and/or IP addresses~~;

a mobile office platform ~~server~~ device comprising a database for storing a problem magnitude versus time relating to a particular connection engine and server after attempts had been made to access servers using the connection engines and problem magnitudes as a preset rate of decay had been assigned to failures in accessing the servers; and

said mobile office platform ~~server~~ device further comprising an intelligent routing engine operative with the database for selecting a connection engine with minimum problems when a particular server is to be accessed based on stored data within the database, wherein a problem magnitude is assigned for an error based on failures unrelated to a network failure.

12. (ORIGINAL) A communications system according to Claim 11, wherein said intelligent routing engine is operative for delaying any reattempts at accessing a server until a problem magnitude returns to below a predetermined threshold.

13. (ORIGINAL) A communications system according to Claim 12, wherein any delay in reattempting access to a server is a function of a preset rate of decay of a problem magnitude.

14. (ORIGINAL) A communications system according to Claim 11, wherein said database includes data relating to a current problem magnitude for a failed access to a server that is added to a current exponentially decayed entry in the database.

15. (ORIGINAL) A communications system according to Claim 11, wherein said database includes data relating to a problem magnitude versus time for any server and connection engine pair.

16. (CURRENTLY AMENDED) A communications system according to Claim 11, wherein a problem magnitude is assigned for an error based on ~~network~~ failures.

17. (CANCELLED)

18. (PREVIOUSLY PRESENTED) A communications system according to Claim 11, wherein any failures unrelated to a network failure include an incorrect password and/or poorly formed request.

19. (ORIGINAL) A communications system according to Claim 11, wherein said intelligent routing engine comprises a proxy server.

20. (ORIGINAL) A communications system according to Claim 11, wherein said intelligent routing engine is operative for accessing the server using POP, IMAP or httpmail protocol.

21. (CURRENTLY AMENDED) A method of accessing a server of a server on an Internet Protocol (IP) network comprising the steps of:

distributing connection engines over multiple subnets;  
attempting access from a mobile office platform server device to a server using a-first the connection engine engines  
and problem magnitudes and a preset rate of decay;

assigning a problem magnitude by retrieving a problem magnitude as stored at a database at the mobile office platform ~~server~~ device if the attempt at accessing the server has failed; and

delaying any further attempts at accessing the server when the problem magnitude as a preset rate of decay exceeds a predetermined threshold and assigned a problem magnitude for an error based on failures unrelated to network failure.

22. (ORIGINAL) A method according to Claim 21, and further comprising the step of delaying any reattempts at accessing the server until the problem magnitude returns to below a predetermined threshold.

23. (ORIGINAL) A method according to Claim 22, wherein the delay in reattempting access to the server is a function of a preset rate of decay of the problem magnitude.

24. (ORIGINAL) A method according to Claim 21, and further comprising the step of maintaining a database of failed attempts at accessing the server.

25. (ORIGINAL) A method according to Claim 24, wherein a current problem magnitude for a failed access to a server is added to a current exponentially decayed entry in the database along with a time stamp.

26. (ORIGINAL) A method according to Claim 24, and further comprising the step of storing in the database the problem magnitude versus time for any server and connection engine pair.

27. (ORIGINAL) A method according to Claim 24, and further comprising the step of tracking the magnitude of failure based on the problem magnitude of failed attempts stored within the database.

28. (ORIGINAL) A method according to Claim 21, and further comprising the step of assigning a problem magnitude for an error based on network failures.

29. (CANCELLED)

30. (PREVIOUSLY PRESENTED) A method according to Claim 21, wherein a failure unrelated to a network failure includes an incorrect password and/or poorly formed request.

31. (ORIGINAL) A method according to Claim 21, and further comprising the step of making a service request to the connection engine using a proxy engine.

32. (ORIGINAL) A method according to Claim 31, and further comprising the step of making a service request using a Wireless Application Protocol (WAP) or Simple Mail Transfer Protocol (SMTP).

33. (ORIGINAL) A method according to Claim 31, and further comprising the step of attempting access to a server using a POP, IMAP, or httpmail protocol.

34. (ORIGINAL) A method according to Claim 21, and further comprising the step of choosing a second connection engine and attempting access to the server after failing access with the first connection engine.

35. (CURRENTLY AMENDED) A method of accessing a server of a server on an Internet Protocol (IP) network comprising the steps of:

distributing connection engines over multiple subnets ~~and/or multiple IP addresses~~;

attempting access from a mobile office platform ~~server device~~ to servers using the connection engines;

assigning problem magnitudes to failures in accessing any servers by retrieving a problem magnitude as stored at a database at the mobile office platform device;

storing the problem magnitude versus time as a preset rate of decay relating to a particular connection engine and server within said database; and

choosing a connection engine having minimum problems when a particular server is to be accessed based on the data stored within the database and assigning a problem magnitude for an error based on failures unrelated to a network failure.

36. (ORIGINAL) A method according to Claim 35, and further comprising the step of distributing the connection engines over multiple servers.

37. (ORIGINAL) A method according to Claim 35, wherein a current problem magnitude for a failed access to a server is

added to a current exponentially decayed entry in the database along with a time stamp.

38. (ORIGINAL) A method according to Claim 35, and further comprising the step of terminating any further attempts at accessing a server using a first connection engine if a problem magnitude exceeds a predetermined threshold.

39. (ORIGINAL) A method according to Claim 38, and further comprising the step of delaying any reattempts at accessing the server until a problem magnitude returns to below a predetermined threshold.

40. (ORIGINAL) A method according to Claim 39, wherein the delay in reattempting access to the server is a function of a preset rate of decay of the problem magnitude.

41. (CURRENTLY AMENDED) A method according to Claim 35, and further comprising the step of assigning a problem magnitude for an error based on network failures.

42. (CANCELLED)

43. (PREVIOUSLY PRESENTED) A method according to Claim 35, wherein a failure unrelated to a network failure includes an incorrect password and/or poorly formed request.

44. (ORIGINAL) A method according to Claim 35, and further comprising the step of making a service request to a connection engine using a proxy engine.



45. (ORIGINAL) A method according to Claim 44, and further comprising the step of making a service request using a Wireless Application Protocol (WAP) or Simple Mail Transfer Protocol (SMTP).

46. (ORIGINAL) A method according to Claim 44, and further comprising the step of attempting access to the server using POP, IMAP, or httpmail protocol.

47. (ORIGINAL) A method according to Claim 35, and further comprising the step of choosing a second connection engine and attempting access to the server after attempting access to the server with the first connection engine has failed.

48. (CANCELLED)

49. (CURRENTLY AMENDED) A communications system comprising:

a plurality of connection engines distributed among a plurality of subnets and configured to access a server on an IP network;

a mobile office platform ~~server~~ device comprising a database for storing problem magnitudes relating to failed attempts at accessing servers using the connection engines and problem magnitudes and a preset rate of decay; and

said mobile office platform ~~server~~ device further comprising an intelligent routing engine operative with the database for querying the database and delaying any further attempts at accessing the server when the problem magnitude exceeds a

predetermined threshold, and wherein said database includes data relating to a current problem magnitude for a failed access to a server that is added to a current exponentially decayed entry in the database.

50. (CURRENTLY AMENDED) A communications system comprising:

a plurality of connection engines distributed among a plurality of subnets and configured to access a server on an IP network;

a mobile office platform ~~server~~ device comprising a database for storing problem magnitudes relating to failed attempts at accessing servers using connection engines and problem magnitudes and a preset rate of decay; and

said mobile office platform ~~server~~ device further comprising an intelligent routing engine operative with the database for querying the database and delaying any further attempts at accessing the server when the problem magnitude exceeds a predetermined threshold, where a problem magnitude is assigned for an error based on failures unrelated to a network failure.

51. (CURRENTLY AMENDED) A communications system comprising:

a plurality of connection engines distributed among a plurality of subnets and configured to access a server on an IP network;

a mobile office platform ~~server~~ device comprising a database for storing problem magnitudes relating to failed attempts at

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accessing servers using connection engines and problem magnitudes  
and a present rate of decay; and

said mobile office platform ~~server~~ device further comprising  
an intelligent routing engine as a proxy server operative with  
the database for querying the database and delaying any further  
attempts at accessing the server when the problem magnitude  
exceeds a predetermined threshold.

52. (CANCELLED)